

Title (en)

LASER PRINTER.

Title (de)

LASERDRUCKER.

Title (fr)

IMPRIMANTE A LASER.

Publication

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Application

EP 90916904 A 19901005

Priority

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Abstract (en)

[origin: WO9106175A1] A laser printer is disclosed which is adapted to be used for color imaging. The printer (10) comprises three diode lasers (97), each of which emits a light beam at a different wavelength. Each of the light beams passes along a separate channel (a-c) to a pair of dichroic plates (18, 20) which combine the three beams into a single combined beam. The combined beam is scanned by a polygon (40) onto a receiving medium (46) which is sensitive to the infrared. Two cylindrical lenses (29a, 30a, 29b, 30b, 29c, 30c) in each channel are used to focus the beam in the channel at a registration plane (32) located after the dichroic plates (18, 20). An optical relay (38) is used to transfer the combined beam from the registration plane (32) to the polygon (40) and to focus the beam in a cross-scan direction on the polygon (40). The polygon (40) is optically conjugated to the image plane in order to achieve cross-scan error correction.

IPC 1-7

H04N 1/46; **G06K 15/12**; **B41J 2/525**

IPC 8 full level

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